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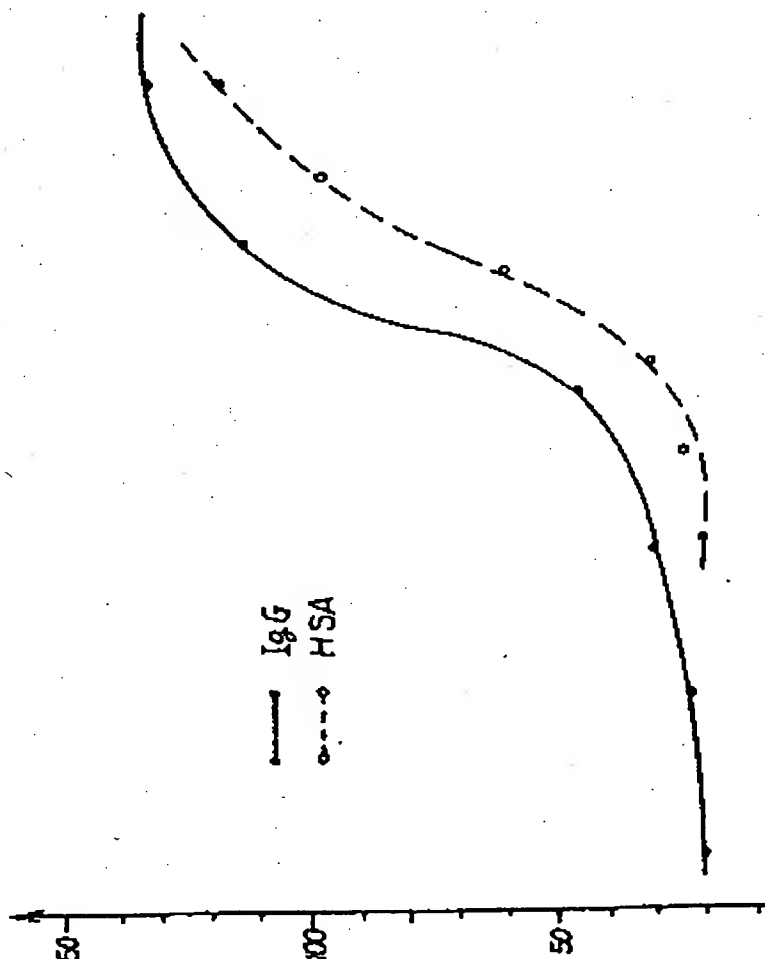
(74) Representative:

**(54) QUANTITATIVE
DETERMINATION OF FINE
PARTICLE BY MEASURING
FLUORESCENT INTENSITY**

(57) Abstract:

PURPOSE: To enable simultaneous multinominal measurement with high sensitivity by using a reagent prep'd. by depositing sensitive materials conjugating specifically with each of materials to be measured to plural kinds of fine particles which are identifiable by labeling by grain sizes and fluorescent materials.

CONSTITUTION: The reagent for simultaneous measurement of two items is prep'd. by mixing, at an equal ratio, polystyrene beads of 7 μ m average grain size to which an anti-human IgG antibody is immobilized and polystyrene beads of 10 μ m average grain size to which anti-HSA antibody is immobilized. The above-mentioned reagent mixture is added to a standard soln. contg. IgA and HsA at various concns. to cause reaction. The particles in the resultant reaction liquid is analyzed by a flow sightmetry method to obtain a



calibration curve. The quantities of 2 kinds of the materials to be measured are thereby measured simultaneously with high sensitivity.

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